



State of Utah

DEPARTMENT OF NATURAL RESOURCES

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Technical Analysis and Findings

Utah Coal Regulatory Program

PID: C0410002
TaskID: 4779
Mine Name: SUFCO MINE
Title: ADD ROCK CHUTE

Summary

A new rock chute and rock bin will be attached to the Tipple Building to assist in the separation of rock from coal. The rock chute will be constructed of steel and will be attached to the Tipple building with steel girders and stabilized by a concrete pier on a spread footing.

Text was added to the Section 5.2.1.1 Cross Sections and Maps of the MRP engineering Chapter 5 to reflect the addition of the rock chute and bins. Relevant figure details of the rock chute and rock bin have been added to Appendix 5-11.

The bond amount and appropriate bond cost sheets were also updated to reflect the addition of the new structures in Appendix 5-9. The new bond amount is \$2,705,000 in 2016 dollars.

Deficiencies Details:

None

cparker

Operation Plan

Maps Facilities

Analysis:

A new rock chute and rock bin will be attached to the Tipple Building to assist in the separation of rock from coal. The rock chute will be constructed of steel and will be attached to the Tipple building with steel girders and stabilized by a 2' x 2' concrete pier on a spread footing (3'x3'x1'). The rock exiting the chute will drop into a rock bin constructed of pre-cast 3'x 3'x 6' interlocking concrete blocks stacked 4 high. Material excavated during the construction of the foundations (pier, footing and rock bin) not meeting coal quality will be hauled and placed with the waste rock.

This information was added to the MRP in section 5.2.1.1 Cross Section and Maps and meets the R645-301-512, -301-521, -301-542 requirements of describing mining operations.

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Reclamation Plan

Bonding Determination of Amount

Analysis:

The permittee submitted an updated bond sheet to reflect the reclamation costs of the rock chute and rock bin of \$92,555 in 2014 dollars added to the existing Tipple Building cost sheet. This meets the requirements of R645-301-800 to determine the bond amount required.

The Tipple building cost estimate was edited to include: the new demolition of 50 steel beams (500-1,000 lbs), concrete walls for the sump, pre-cast interlocking concrete blocks, and the foundations of the rock chute. This meets the requirements outlined in R645-301-800.

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